

**NASA Property Disposal Management System
NPDMS**

Version 1.4

VERSION DESCRIPTION DOCUMENT

AIM-NPDMS-VDD-14

September 30, 1996

**Marshall Space Flight Center
Huntsville, Alabama**

**Version Description Document
for the
NASA Property Disposal Management System
NPDMS**

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1. INTRODUCTION

1.1 IDENTIFICATION OF THE RELEASE

This software release is identified as the NASA Property Disposal Management System (NPDMS), Version 1.4. This document is identified as the *NPDMS Version Description Document (VDD)*, AIM-NPDMS-VDD-14.

The release has an effective date of September 30, 1996, and is scheduled for implementation starting on October 1, 1996.

1.2 PURPOSE OF THE RELEASE

The purpose of this release is to implement release 1.4 of the NPDMS software.

1.3 SCOPE OF THE RELEASE

This release of NPDMS includes all the elements necessary to implement release 1.4 of NPDMS. The following CCRs are included in this release:

<u>CCR</u>	<u>TITLE</u>
296	Creation of the Annual Report of Personal Property Provided to Non-Federal Organizations
297	Annual Report of Exchange/Sale Transaction Report - Additional Data
319	Update Documentation To Reflect Changes in Requirements

The following DRs are included in this release:

<u>DR</u>	<u>TITLE</u>
312	NPDMS X90 Transaction Does not Check Equip-Out-Code = 'space' in NEMS
313	NPDMS X90 Transaction Does not Check Equip-In-Code = 'space' in NEMS
314	Report NDR008PA Calculation of Additions Not Always Calculated
315	Bid Amounts not Being Reset When Advancing to the Next Screen
316	Annual Report of Exchange/Sale Transactions Subtotals Calculated Incorrectly
317	Report Nmbr 23 Bombed Due to Field Too Small

1.4 CONTACT POINTS

Sustaining Engineering for NPDMS is provided through the NACC Technical Services Center located at Marshall Space Flight Center (MSFC). Questions regarding the function and/or the technical aspects as well as the installation of this release should be directed to:

The NACC Technical Services Center (Use following Key Words: SESAAS & NPDMS)

Telephone: (205) 544-6673

CCMail jim.crowell@msfc.nasa.gov

FAX: (205) 544-1836

2. FUNCTIONAL INFORMATION

This section includes details regarding functional changes, functional interfaces, critical issues, affected documents, and application system administration.

2.1 FUNCTIONAL CHANGES

Batch Reports

Report 160 (Annual Report of Personal Property Provided to Non-Federal Organization) was created.

Report 017 (Annual Report of Exchange/Sale Transaction Report) was modified to include the number of items per FSC Group. A calculation for subtotal amounts for Domestic and Foreign items was corrected so that if the last FSC Group in Domestic was the same as the first FSC Group in Foreign the two would not both show up for the FSC Group in Domestic.

Report 008 (Property Held By Property Disposal Officer Report) was corrected so that the calculation for the total additions always occurs not just when the Other segment occurs.

Report 023 (Performance Measures) was modified to increase the size of a field (#TOT-ELAPSED-DAYS) to prevent a fatal error.

Sealed Bids

This process has been modified so that the bid amounts will be reset when scrolling to the next screen. If scrolling with the PF keys (PF7 - PGUP or PF8 - PGDN), the bid amounts will not be saved. If Enter is pressed, the bid amount(s) will be saved and the next screen will be displayed.

Add Transaction

This process has been modified to include edits to check if the EQUIP-OUT-CODE equals a ' ' (space) or 's' and the EQUIP-IN-CODE equals a ' ' (space) before producing an X90 or I90 NEMS Transaction. If the EQUIP-OUT-CODE is equal ' ' (space) or 's' or if the EQUIP-IN-CODE equals ' ' (space), the X90 or I90 transactions will be produced.

2.2 FUNCTIONAL INTERFACES

This section is not applicable for this release.

2.3 CRITICAL ISSUES

This section is not applicable for this release.

2.4 AFFECTED DOCUMENTS

The *Requirement Specifications (RS)*, *Design Specifications (DS)*, *Test Plan and Procedures (TPP)* Appendix D, *Data Dictionary*, and *User and Operations Guide (UOG)* have been updated and are released as part of NPDMS 1.4.

2.5 APPLICATION SYSTEM ADMINISTRATION

This section is not applicable for this release.

3. TECHNICAL INFORMATION

This section includes details regarding technical system interfaces, data dictionary changes, software object changes, data base administration, and operational preparation.

3.1 TECHNICAL SYSTEM INTERFACES

NPDMS interfaces are with NEMS and NSMS systems. Any changes to the shared files will have a direct impact on NPDMS. NPDMS shares, extracts, and updates data from NEMS and NSMS. The system also has an electronic interface with GSA.

3.2 DATA DICTIONARY CHANGES

This section is not applicable for this release.

3.3 SOFTWARE OBJECT CHANGES

This release includes selected NPDMS software. See Appendix C for a list of updated / new modules.

3.4 DATABASE ADMINISTRATION

This section discusses the DBA activities for NPDMS Version 1.4.0.

3.4.1 Release Dataset Names

AIMS.NPDMS.PROD.REL140.REL0996.SRC

This data set contains source code for all NPDMS objects in this release. The dataset was created using the NATUNLD utility.

Attributes: RECFM=VB, LRECL=4624, BLKSIZE=4628, DSORG=PS, TRKS=18

AIMS.NPDMS.PROD. REL140.REL0996.ERR

This data set contains NPDMS SYSERR messages and was created using ERRULDUS utility.

Attributes: RECFM=VB, LRECL=5004, BLKSIZE=5008, DSORG=PS, TRKS=2

AIMS.NPDMS.PROD. REL140.REL0996.DOC

This data set contains NPDMS version description installation instructions for Release 1.4.

Attributes: RECFM=VB, LRECL=80, BLKSIZE=800, DSORG=PS, TRKS=1

3.4.2 Inventory of Objects

The following object types and inventory list represent a comprehensive count of all software and data dictionary information included with this release:

PREDICT Objects	
Standard	0
Files	0
Data Elements	0
Views	0
Keywords	0
Programs	0
System	0
Verification	0

NATURAL Code by Type	Source	Object
Global Data Area	0	0
Local/Parameter Data Area	0	0
Text	0	0
Copy Code	0	0
External Subroutines	1	0
Help Routines	0	0
Programs	9	0
Subprograms	1	0
Maps	9	0
Command Processor	None	0
Miscellaneous	0	0
Total Module Count	20	0

3.4.3 Storage Considerations

This section is not applicable for this release.

3.4.4 Installation Procedures

Release Identification

System Name: NASA Property Disposal Management System
 Release Number: 1.4.0
 Release Date: September 30, 1996
 Effective Date: October 1, 1996

In case of installation problems contact the NACC Technical Services Center (Use following Key Words: SESAAS & NPDMS):

Telephone: (205) 544-6673
CCMail: jim.crowell@msfc.nasa.gov
Fax: (205) 544-1836

Prior to installation, use Network Data Mover (NDM) to retrieve the following distribution data sets from NASA Headquarters (HQ): (Refer to "AIM Standard Operating Procedures for Centralized Distribution of AIM Application Releases" in AIM Program Guidance, Volume III, Section 4.2, for details on retrieving this data via NDM.)

AIMS.NPDMS.PROD.REL140.REL0996.SRC
AIMS.NPDMS.PROD.REL140.REL0996.ERR
AIMS.NPDMS.PROD.REL140.REL0996.DOC

INSTALLATION SEQUENCE

Installation should occur in the sequence listed below. Use the Section Number for additional information.

<u>Section Number</u>	<u>Section Title</u>
3.4.4.1	Load SYSERR Messages
3.4.4.2	Load Source/Object
3.4.4.3	Catalog NPDMS Objects
3.4.4.4	Batch Processing Setup
3.5	Operational Preparation

A checklist is provided at the end of these instructions in Section 3.4.4.5 Installation Check List, to assist in tracking the installation.

3.4.4.1 Load SYSERR

Load error messages from the AIM Distribution data set
AIMS.NPDMS.PROD.REL140.REL096.ERROR, using the NATURAL SYSERR
utility ERRLODUS. This release contains 002 error messages. For additional
information concerning SYSERR, refer to the NATURAL 2 Administrator's Manual.

3.4.4.2 Load Source/Object

Load source code from the AIM distribution data set AIMS.NPDMS.PROD.REL140.REL0996.SRC, using NATURAL utility NATLOAD. A library named NPDMS must be defined at the time NATLOAD is executed. Refer to the NATURAL 2 Administrator's Manual for detailed information on the NATLOAD utility. If the final destination library is not NPDMS, use SYSMAIN to copy source code from NPDMS to the final destination.

The following are the source code counts for the code included in this release:

NATURAL Code by Type	Source	Object
Global Data Area	0	0
Local/Parameter Data Area	0	0
Text	0	0
Copy Code	0	0
External Subroutines	1	0
Help Routines	0	0
Programs	9	0
Subprograms	1	0
Maps	9	0
Command Processor	None	0
Miscellaneous	0	0
Total Module Count	20	0

3.4.4.3 Catalog NPDMS Objects

Run a batch job to catalog (CATALL) all modules in the NPDMS or other named library. It is not necessary to catalog the Global Data Area. The AIM Batch standard parameters should be used for the compile.

After objects are compiled, the NPDMS application will run under the AIM Online standard parameters.

3.4.4.4 Batch Processing Setup

The following changes should be made to the source JCL. The updated JCL should then be loaded into the NPDMS ND-TABLE file (JCL Table 140) using the utility program NDU140PA executed in batch. The following is an example of the JCL that will be needed to run the NDR160PA report and should be modified to meet each Center's standard.

The following 2 lines should be added after 140R150PA1002:

```
140R160PA1001//*  
140R160PA1002//***** NDR160PA *****
```

The following 2 lines should be added after 140R130PA2002:

```
160PA2001//CMPRT03 DD SYSOUT=( , ),OUTPUT=( *.#DEST# ),COPIES=#COPIES#  
160PA2002//CMWKF01 DD DSN=&&NDR160A,SPACE=(TRK,(20,3),RLSE),UNIT=SYSDA
```

After the JCL has been added, NPDMS ND-TABLE file 055 (Report/Maintenance Selection Table) should be modified to include the new NDR160PA report. From the Main Menu Select Option 3 - Tables. On the Table File Update Menu Enter Table ID: 055 and Enter Selection: A (Add). On the RPT/MAINT SELECTION TABLE - 055 screen the following information should be entered to add the new report:

```
Job Type Determination: R  
Report/Maintenance Job No: 160  
Report Execution Sequence No: 100  
Description: ANNUAL REPORT OF PERSONAL PROPERTY PROVIDED TO NON-FEDERAL ORG  
Start Date: B  
End Date: B
```

3.4.4.5 Installation Check List For NPDMS

Item	Check	System Checklist	Refer to:
1		Load SYSERR messages	3.4.4.1
2		Load Source/Object Code	3.4.4.2
3		Catalog NPDMS Objects	3.4.4.3
4		Batch Processing Setup	3.4.4.4
5		Operational Preparation	3.5

3.5 OPERATIONAL PREPARATION

The Property Held by the Property Disposal Officer Report (008) has been modified to correct a 'software bug' identified by DR 314. The total additions were only being calculated when the Other segment occurred. This has now been corrected so total additions will always be calculated. As a result, if there was a month that did not contain the Other segment, that month and all following months will need to be rescheduled to run monthly (report frequency = 4) starting from that month onward to get the correct balances. Program NDUBALPA will need to be run to reset the ND-TABLE (Table 130) beginning balance and end date for the previous report.

APPENDIX A - ABBREVIATIONS AND ACRONYMS

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AIM	Automated Information Management
CCR	Change Control Request
DBA	Database Administrator
DR	Discrepancy Report
DS	Design Specifications
FAX	Electronic facsimile transmission
GSA	General Services Administration
JCL	Job Control Language
MSFC	Marshall Space Flight Center
NASA	National Aeronautics and Space Administration
NASA HQ	NASA Headquarters
NDM	Network Data Mover
NEMS	NASA Equipment Management System
NPDMS	NASA Property Disposal Management System
NSMS	NASA Supply Management System
RC	Requirements Change
RS	Requirement Specifications
TPP	Test Plan and Procedures
UOG	User and Operations Guide
VDD	Version Description Document

APPENDIX B - GLOSSARY

APPENDIX B - GLOSSARY

Change Control Request

A NASA standard form (NF-1620) on which requirement changes and discrepancies are reported - also known as a "CCR"

Data Administration

Responsibility for maintaining the data and application support architecture

Database Administration

Responsibility for maintaining the physical database environment

Development Installation

A NASA site responsible for the development and implementation of an AIM application

Implementation

The process by which a NASA site installs an AIM software release and places it into operational use

Operational Preparation

Preparation by a NASA site for installation and use of an AIM application release

System Administration

Responsibility for administrative functions such as application security and table data maintenance associated with an AIM application

Waiver

A written authorization from the AIM Program Director that allows a Development Installation to deviate from a specific AIM standard or guideline in the implementation of an AIM software application. Waivers may be permanent or temporary

APPENDIX C - SOFTWARE CHANGES

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APPENDIX C - SOFTWARE CHANGES

Name	Type	S/C	SM	Vers	Level	User-ID	Date
NDO000PA	Program	S/C	S	2.2	0006	MSJOC	96-09-10
NDR000MG	Map	S/C	S	2.2	0006	MSJOC	96-09-10
NDR000MH	Map	S/C	S	2.2	0006	MSJOC	96-09-10
NDR008PA	Program	S/C	S	2.2	0006	MSJOC	96-09-10
NDR017MB	Map	S/C	S	2.2	0006	MSJOC	96-09-10
NDR017MC	Map	S/C	S	2.2	0006	MSJOC	96-09-10
NDR017MF	Map	S/C	S	2.2	0006	MSJOC	96-09-10
NDR017MH	Map	S/C	S	2.2	0006	MSJOC	96-09-10
NDR017MI	Map	S/C	S	2.2	0006	MSJOC	96-09-10
NDR017PA	Program	S/C	S	2.2	0006	MSJOC	96-09-10
NDR023PB	Program	S/C	S	2.2	006	MSJOC	96-09-18
NDR160MA	Map	S/C	S	2.2	0006	MSJOC	96-09-10
NDR160MB	Map	S/C	S	2.2	0006	MSJOC	96-09-10
NDR160NA	Subprogram	S/C	S	2.2	0006	MSJOC	96-09-10
NDR160PA	Program	S/C	S	2.2	0006	MSJOC	96-09-10
NDR160PB	Program	S/C	S	2.2	0006	MSJOC	96-09-10
NDXNEMSA	Subroutine	S/C	S	2.2	0006	MSJLV	96-09-10
NDX500PA	Program	S/C	S	2.2	0006	MSJOC	96-09-10
ND4940PA	Program	S/C	S	2.2	0006	MSJOC	96-09-10
ND5102PA	Program	S/C	S	2.2	0006	MSJOC	96-09-10

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APPENDIX D - VALIDATION CRITERIA

APPENDIX D - VALIDATION CRITERIA NPDMS Rel 1.4

CCR

296 Creation of the Annual Report of Personal Property Provided to Non-Federal Organizations

Through the Reports Menu, schedule report 160 - Annual Report of Personal Property Provided to Non-Federal Organizations with a Report Frequency of '0' (on-request), and a Report Begin and Report End Date. Run the report.

Verify that the report runs.

297 Annual Report of Exchange/Sale Transaction Report - Additional Data

Through the Reports Menu, schedule report 017 - Annual Report of Exchange/Sale Transaction Report with a Report Frequency of '0' (on-request), and a Report Begin Date and Report End Date. Run the report.

Verify that the report runs and that the report now contains the column NBR ITEMS.

319 Update Documentation to Reflect Changes in Requirements

No new validation criteria added.

DR

312 NPDMS X90 Transaction Does not Check Equip-Out-Code = 'space' in NEMS

From the NPDMS Transaction Menu Enter Selection: 1 (Add) and the ECN of a record that contains a NEMS-OUT-CODE not equal to ' ':

Verify that Error Message 6225 NEMS OUT CODE PRESENT DISPOSAL DENIED, CHECK WITH NEMS CNTRL is displayed.

From the NPDMS Transaction Menu Enter Selection: 1 (Add) and Press ENTER. On the NON-CONTROLLED PROPERTY ADD screen enter the information needed including the NSN of a record that contains an EQUIP-OUT-CODE not equal to 'S' or not equal to ' ':

Verify that Error Message 6225 NEMS OUT CODE PRESENT DISPOSAL DENIED, CHECK WITH NEMS CNTRL is displayed.

313 NPDMS X90 Transaction Does not Check Equip-In-Code = 'space' in NEMS

From the NPDMS Transaction Menu Enter Selection: 1 (Add) and the ECN of a record that contains a NEMS-IN-CODE not equal to ' ':

Verify that Error Message 6226 NEMS IN CODE PRESENT DISPOSAL DENIED, CHECK WITH NEMS CNTRL is displayed.

From the NPDMS Transaction Menu Enter Selection: 1 (Add) and Press ENTER. On the NON-CONTROLLED PROPERTY ADD screen enter the information needed including the NSN of a record that contains an EQUIP-IN-CODE not equal to ' ':

Verify that Error Message 6226 NEMS IN CODE PRESENT DISPOSAL DENIED, CHECK WITH NEMS CNTRL is displayed.

314 Report NDR008PA Calculation of Additions Not Always Calculated

Through the Reports Menu, schedule report 008 Property Held by Property Disposal Officer Report with a Report Frequency of '4' (Monthly) and Report End Date. Run the report.

Verify that the report runs and that the Additions always occur.

315 Bid Amounts not Being Reset When Advancing to the Next Screen

From the NPDMS Sales Process Menu Enter Selection: 3 (Enter Sealed Bids (Local Sale Only)) and the Sale No of Prop: Press ENTER. On the Enter Sealed Bids Process (Local Sale Only) enter bid amounts.

Verify that when pressing the ENTER key the next screen of data is displayed with the bid amounts reset. Press PF7 to scroll back to the previous screen and verify that the bid amounts have been saved.

Verify that when pressing the PF8 (PGDN) key the next screen of data is displayed with the bid amounts reset. Press PF7 to scroll back to the previous screen and verify that the bid amounts have NOT been saved.

From the NPDMS Sales Process Menu Enter Selection: 4 (Change Sealed Bids (Local Sale Only)) and the Sale No of Prop: Press ENTER. Enter the Bidder number on the pop-up window. On the Change Sealed Bids Process (Local Sale Only) enter bid amounts.

Verify that when pressing the ENTER key the next screen of data is displayed with the bid amounts reset. Press PF7 to scroll back to the previous screen and verify that the bid amounts have been saved.

Verify that when pressing the PF8 (PGDN) key the next screen of data is displayed with the bid amounts reset. Press PF7 to scroll back to the previous screen and verify that the bid amounts have NOT been saved. (Only the bid amounts that existed before should be displayed.)

316 Annual Report of Exchange/Sale Transactions Subtotals Calculated Incorrectly

Through the Reports Menu, schedule report 017 - Annual Report of Exchange/Sale Transaction Report with a Report Frequency of '0' (on-request), Report Begin Date and Report End Date. Run the report.

Verify that the report runs. If the last FSC Group for Domestic and the first FSC Group for Foreign are the same make sure the FSC Group for Foreign contains the information on the report.

317 Report Nmbr 23 Bombed Due to Field Too Small

Through the Reports Menu, schedule report 023 Performance Measures Report with a Report Frequency of '0' (on-request), Report Begin Date and Report End Date. Run the report.

